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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 4 - Demonstration and Validation				PE NUMBER AND TITLE 0603766A Tactical Exploitation of National Capabilities (TENCAP) - Demonstration/Validation (TIARA)				PROJECT D907		
COST (In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
D907 Tactical Exploitation of National Capabilities - Demonstration/Validation (TIARA)	18957	0	0	0	0	0	0	0	0	18957
<p>A. <u>Mission Description and Budget Item Justification:</u> Supports the tactical commander's intelligence requirements for contingency force development and deep battle targeting as stated in Field Manual 100-5. Specific developments are managed within the Army's Tactical Exploitation of National Capabilities (TENCAP) program. The scope of the program is to leverage specific data and capabilities available from existing and emerging National and selected theater capabilities that meet stated Army tactical intelligence information and targeting needs to correct deficiencies, and develop concepts, techniques and prototype processors to exploit critical data for near-real time integration into the appropriate tactical echelon. This project supports the advanced development/enhancement of the Mobile Integrated Tactical Terminal (MITT), Forward Area Support Terminal (FAST), Tactical Exploitation System (TES), and Advanced Electronic Processing and Dissemination System (AEPDS). The Army's emerging TES will incorporate the standards and protocols dictated by the Common Imagery Ground Surface System (CIGSS) program. TES brings all of the existing and emerging Army TENCAP capabilities [AEPDS, Modernized Imagery Exploitation System (MIES), and Enhanced Tactical Radar Correlator (ETRAC)] into an integrated common baseline; downsized modular and scaleable to meet a wide range of contingency requirements. TENCAP Common Baseline addresses common subsystems, planned improvements, key activities and ongoing/planned initiatives determined to have potential application to multiple TENCAP systems, including MIES and ETRAC that are funded under PE 0305208A. Specific details are provided in the Tactical Intelligence and Related Activities (TIARA) Congressional Budget Justification Book, Volume II, and in the Army TENCAP Master Plan.</p> <p>FY 1998 Accomplishments:</p> <ul style="list-style-type: none"> • 4654 Continued to pursue technology for the refinement of the TENCAP common baseline for fully exploiting national capabilities to meet emerging worldwide contingency scenarios. In addition to staying current with national and theater capabilities, included integration of Defense Switched Network (DSN) and migration of Defense Message System (DMS) into TENCAP systems. • 9690 Continued advanced development of TES program. • 3244 Continued support to TENCAP program management with administrative activities (e.g., FFRDC (Aerospace), ASPO, and TEC.) • 1369 Continued support to efforts being developed under PE 0305208D (DARP) Project PD8Z (e.g., FFRDC (Aerospace), ASPO, and TEC.) <p>Total 18957</p> <p>FY 1999 Planned Program: Program not funded in FY 1999.</p> <p>FY 2000 Planned Program: Program not funded in FY 2000.</p>										
Project D907			Page 1 of 3 Pages				Exhibit R-2 (PE 0603766A)			

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<p>D. Acquisition Strategy: As pioneers in rapid acquisition, ASPO's success in delivering systems as those described above to warfighters can be directly attributed to an environment emphasizing stable funding, low density acquisition, minimal use of MILSPECS, and managed competition. By tailoring existing technology, leveraging the best commercial practices and using commercial and government off the shelf software, the Army Space Program Office (ASPO) minimizes risk while maximizing</p>																																																																																																																																														
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<p>efficiency. Strong user involvement, a robust operations and maintenance program and a vigorous technology insertion effort ensure programmatic success. Finally, dedicated cradle to grave Integrated Logistics Support (ILS) for TENCAP systems is accomplished through a coordinated effort by government and contractor personnel and facilities.</p>										
E. Schedule Profile	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2004</u>	<u>FY 2005</u>
Complete Advance Development of Demand Assigned Multiple Access applique into TENCAP Common Baseline SUCCESS Radios		4 th QTR								
Initiate integration of DSN and migration of DMS into TENCAP systems		2 nd QTR								
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